

IN THE CLAIMS

Please amend claims as follows:

1. (Currently Amended) An image processing apparatus, comprising:
 - a compressing unit to compress and encode image data of a static image in accordance with a JPEG 2000 algorithm and generate first code data;
 - ~~a first converting unit to synthesize first code data including a plurality of code data sets where image data of a plurality of static images are compressed and encoded, and~~ a storing unit to store the first code data that is compressed by the compressing unit; and
 - a code sequence converting unit to convert the first code data being stored by the storing unit into second code data in conformity with Motion JPEG 2000, which are compressed and encoded to be a single code data sequence where a motion image aligns the static images in chronological order as consecutive frames; and
 - ~~a second converting unit to convert the second code data into the first code data~~
 - wherein the code sequence converting unit comprises:
 - a dividing unit to divide the first code data into a header portion and a code portion;
 - a setting unit to set the header portion and the code portion to be integrated into the second code data;
 - a header processing unit to change size of the header portion to be an image size after being integrated, and generate a new tile part header; and
 - a synthesizing unit to synthesize data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000.

2. (Currently Amended) The image processing apparatus as claimed in claim 1, wherein the first synthesizing unit synthesizes the first code data and converts the first code data being synthesized into a single data sequence of the second code data where images aligning a plurality of static images are compressed and encoded ~~are code data compressed and encoded in accordance with a JPEG 2000 algorithm and the second code data are code data compressed and encoded in accordance with a Motion JPEG 2000.~~

3. (Previously Presented) The image processing apparatus as claimed in claim 1, further comprising:

a decompressing unit to decompress the first and second code data; and
a displaying unit to display the frames showing image data in chronological order at a display unit after the first and second code data are decompressed.

4 - 8. (Cancelled)

9. (Currently Amended) The image processing apparatus as claimed in claim 1 7, wherein:
the second accepting unit accepts a request of an integration degree from the user; and
the first converting unit determines a number of the static images to form each of the frames based on the integration degree accepted by the second accepting unit.

10 - 14. (Cancelled)

15 - 19. (Cancelled)

20. (Currently Amended) The image processing apparatus of Claim 1
further, comprising:

an image pickup device to image the a static image, wherein the compressing unit
compresses and encodes image data generated from the image pickup device;

~~a storage unit to store code data being compressed;~~

~~a compressing circuit to generate image data by compressing and encoding the static~~
~~image imaged by the imaging pickup device and store the image data as first code data in the~~
~~storage unit;~~

~~a code sequence converting circuit to synthesize the first code data including a plurality~~
~~of sets of the first code data read from the storage unit, convert the first code data into second~~
~~code data which are compressed and encoded to be a single code data sequence in that a motion~~
~~image aligns the static images in chronological order as consecutive frames, and convert the~~
~~second code data into the first code data; and~~

a decompressing circuit to decompress and decode the code data of the first code data or
the second code data.

21. (New) An image processing method comprising:

compressing and encoding image data of a static image in accordance with a JPEG 2000
algorithm and generating first code data;

storing the first code data that is compressed; and

converting the first code data being stored into second code data in conformity with
Motion JPEG 2000, wherein converting the first code data comprises

dividing the first code data into a header portion and a code portion;
setting the header portion and the code portion to be integrated into the second code data;
changing size of the header portion to be an image size after being integrated, and
generating a new tile part header; and
synthesizing data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000.

22. (New) The image processing method defined in claim 21, wherein synthesizing the first code data and converting the first code data being synthesized produces a single data sequence of the second code data where images aligning a plurality of static images are compressed and encoded.

23. (New) The image processing method defined in claim 21 further comprising:
decompressing the first and second code data; and
displaying frames showing image data in chronological order at a display unit after the first and second code data are decompressed.

24. (New) The image processing method defined in Claim 21 further comprising:
accepting a request of an integration degree from a user; and
determining a number of the static images to form each of the frames based on the integration degree accepted from the user.

25. (New) The image processing method defined in Claim 21 further comprising:

using an image pickup device to image the static image, wherein compressing and encoding the image data comprises compressing and encoding image data generated from the image pickup device; and

decompressing and decoding the code data of the first code data or the second code data.

26. (New) An article of manufacture having one or more computer readable storage media storing instructions thereon which, when executed by a computer, cause the computer to perform an image processing method comprising:

compressing and encoding image data of a static image in accordance with a JPEG 2000 algorithm and generating first code data;

storing the first code data that is compressed; and

converting the first code data being stored into second code data in conformity with Motion JPEG 2000, wherein converting the first code data comprises

dividing the first code data into a header portion and a code portion;

setting the header portion and the code portion to be integrated into the second code data;

changing size of the header portion to be an image size after being integrated, and generating a new tile part header; and

synthesizing data processed by the header processing unit to be the second code data in conformity with Motion JPEG 2000.

27. (New) The article of manufacture defined in claim 26, wherein synthesizing the first code data and converting the first code data being synthesized produces a single data

sequence of the second code data where images aligning a plurality of static images are compressed and encoded.

28. (New) The article of manufacture defined in claim 26 wherein the method further comprises:

decompressing the first and second code data; and

displaying frames showing image data in chronological order at a display unit after the first and second code data are decompressed.

29. (New) The article of manufacture defined in Claim 26 wherein the method further comprises:

accepting a request of an integration degree from a user; and

determining a number of the static images to form each of the frames based on the integration degree accepted from the user.

30. (New) The article of manufacture defined in Claim 26 wherein the method further comprises:

using an image pickup device to image the static image, wherein compressing and encoding the image data comprises compressing and encoding image data generated from the image pickup device; and

decompressing and decoding the code data of the first code data or the second code data.